



1998 Toxics Release Inventory

FLORIDA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	75,991,454	66,458,514	142,449,968
Air Emissions	31,915,108	57,951,225	89,866,333
Surface Water Discharges	2,049,041	67,885	2,116,926
Underground Injection Class I Wells	27,473,112	0	27,473,112
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	2,064	934,073	936,137
Other On-site Land Releases	14,552,129	7,505,331	22,057,460
Off-site Releases (Transfers Off-site to Disposal)*	1,953,909	2,546,351	4,500,260
Total On- and Off-site Releases	77,945,363	69,004,865	146,950,228
Recycled On-site	706,626,708	1,587,979	708,214,687
Recycled Off-site	21,487,365	228,435	21,715,800
Energy Recovery On-site	15,126,614	0	15,126,614
Energy Recovery Off-site	3,637,599	773,108	4,410,707
Treated On-site	108,998,283	26,051,279	135,049,562
Treated Off-site**	9,037,205	27,064	9,064,269
Quantity Released On- and Off-site***	76,662,033	67,976,711	144,638,744
Total Production-related Waste Managed	941,575,807	96,644,576	1,038,220,383
Total Non-production-related Waste Managed	50,634	11,675	62,309

Transfers Off-site for Further Waste Management/Disposal

Recycling	21,224,905	230,810	21,455,715
Energy Recovery	3,791,221	768,279	4,559,500
Treatment	3,016,883	88,154	3,105,037
Publicly Owned Treatment Works (POTWs)	6,306,199	756	6,306,955
Metals and Metal Compounds*	13,659	14	13,673
Non-metal TRI Chemicals**	6,292,540	742	6,293,282
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	2,494,469	2,546,337	5,040,806
Total Transfers Off-site for Further Waste Management/Disposal	36,833,677	3,634,336	40,468,013

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

****Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

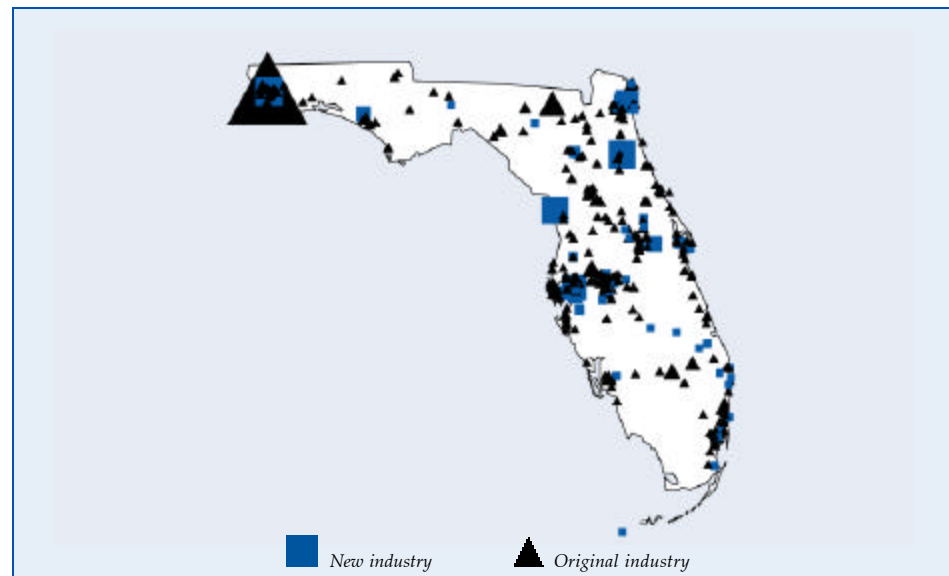
Sam Brackett
(850) 413-9970
Fax: (850) 488-1739

EPA Regional Contact:

Ezequiel Velez
(404) 562-9191
Fax: (404) 562-9163

To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Florida. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data†

Population	14,915,980
Square Miles	53,997
Total Facilities	603
Total Forms	1,763
Form As	319

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	11	13	13
Pounds	77,945,363	69,004,865	146,950,228
National Rank for Total On-site Releases**			
Rank	8	12	11
Pounds	75,991,454	66,458,514	142,449,968
National Rank for Total Releases within State***			
Rank	11	13	13
Pounds	77,415,767	67,652,995	145,068,762
National Rank for Production-related Waste Managed			
Rank	5	15	9
Pounds	941,575,807	96,644,576	1,038,220,383

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.

†Three IMC-Agrico plants in Mulberry, Florida submitted 1998 forms too late for inclusion in this report. They reported a total of 11.5 million pounds of on-site releases which changes the state national rankings as follows. Rank for total on- and off-site releases for original industries changes from 11 to 10 and for total industries from 13 to 12. Rank for total on-site releases for original industries changes from 8 to 5 and for total industries from 11 to 10. Rank for total releases within state for original industries changes from 11 to 10 and for total industries from 13 to 12.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)[†]

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Nitrate compounds	77,273	1,149,060	18,558,935	102,593	408,025	20,295,886	0	391,041	16,984
7664-38-2	Phosphoric acid	8,960	53,610	5	10,694,793	0	10,757,368	0	0	0
67-56-1	Methanol	8,607,023	93,200	515,250	809,429	60,686	10,085,588	0	60,686	0
7664-41-7	Ammonia	5,971,831	482,522	335,978	108,590	70,778	6,969,699	0	49,981	20,797
100-42-5	Styrene	4,158,051	1	0	0	52,186	4,210,238	0	32,349	19,837
64-18-6	Formic acid	6,205	0	3,800,000	0	0	3,806,205	3,036	0	0
71-36-3	n-Butyl alcohol	431,756	0	2,004,400	0	0	2,436,156	250	0	0
91-20-3	Naphthalene	1,206,499	5	0	1,193,700	0	2,400,204	0	0	0
108-88-3	Toluene	1,495,825	0	0	2,064	28,893	1,526,782	351	20,687	8,206
1717-00-6	1,1-Dichloro-1-fluoroethane (HCFC-141b)	1,283,176	0	0	0	16,536	1,299,712	0	15,949	587

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

[†] Three IMC-Agrico plants in Mulberry, Florida submitted 1998 forms too late for inclusion in this report. They reported total releases in the state of 7,140,000 pounds of phosphoric acid, 4,129,000 pounds of ammonia and 215,000 pounds of sulfuric acid. The rank of ammonia changes from fourth to third.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	31,618,431	0	0	0	0	31,618,431	0	0	0
7664-93-9	Sulfuric acid	21,045,134	0	0	0	0	21,045,134	0	0	0
7664-39-3	Hydrogen fluoride	3,066,995	0	0	5,600	1,001	3,073,596	0	1,001	0
—	Barium compounds	46,403	1,383	0	1,896,914	572,051	2,516,751	0	358,801	213,250
—	Nickel compounds	90,918	4,267	0	1,602,312	139,548	1,837,045	0	139,298	250
—	Zinc compounds	58,874	13,782	0	1,553,279	94,438	1,720,373	0	61,188	33,250
50-00-0	Formaldehyde	1,600,000	250	0	0	0	1,600,250	5	0	0
—	Manganese compounds	8,542	1,035	0	1,330,973	145,713	1,486,263	0	85,463	60,250
—	Lead compounds	7,970	271	0	151,962	1,189,091	1,349,294	0	277,841	911,250
—	Copper compounds	11,722	24,428	0	941,266	108,493	1,085,909	0	47,243	61,250

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)[†]

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Solutia Inc., Gonzalez, Escambia	197,061	1,717	26,937,419	0	0	0	27,136,197	1,361	1,300
PCS Phosphate — White Springs, White Springs, Hamilton	560,010	3,770	0	0	0	6,200,000	6,763,780	0	0
CF Ind. Inc. Plant City Phosphate Complex, Plant City, Hillsborough	1,224,448	69,928	0	0	0	2,400,000	3,694,376	0	0
U.S. Sugar Corp. Clewiston Mill, Clewiston, Hendry	1,516,800	0	0	0	0	1,410,800	2,927,600	0	0
Champion Intl. Corp., Cantonment, Escambia	2,296,744	195,065	0	0	0	177,000	2,668,809	266,280	0
Farmland Hydro L.P., Bartow, Polk	830,000	580	0	0	0	1,412,000	2,242,580	0	0
U.S. Sugar Corp., Bryant Sugar House, Bryant, Palm Beach	969,500	0	0	0	0	1,217,459	2,186,959	0	0
Georgia-Pacific Corp., Palatka, Putnam	1,962,467	65,702	0	0	0	38,756	2,066,925	0	0
Buckeye Florida L.P., Perry, Taylor	1,656,728	98,431	0	0	0	141,004	1,896,163	0	0
Jefferson Smurfit Corp., Fernandina Beach, Nassau	1,477,044	13,184	0	0	0	0	1,490,228	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

[†]Three IMC-Agrico plants in Mulberry, Florida submitted 1998 forms too late for inclusion in this report. The New Wales plant reported 4,149,100 pounds, the Nichols Plant reported 3,671,340 pounds and the South Pierce plant reported 3,664,000 pounds of total on-site releases. They rank third, fifth and sixth in the state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases * Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Gulf Power Co. — Plant Crist, Pensacola, Escambia	9,275,450	1,621	0	0	0	481,679	9,758,750	0	0
Seminole Generating Station, Palatka, Putnam	8,386,772	3,582	0	0	0	1,208,647	9,599,001	0	0
Florida Power Corp., Crystal River Energy Complex, Crystal River, Citrus	8,440,499	18,900	0	0	0	333,900	8,793,299	178	0
Tampa Electric Co. — Gannon Station, Tampa, Hillsborough	8,000,790	2,600	0	0	0	128,109	8,131,499	0	0
St. Johns River Power Park Northside Generating Statin, Jacksonville, Duval	6,152,110	8,650	0	0	0	1,269,410	7,430,170	1,020	2,010
Stanton Energy Complex, Orlando, Orange	251,710	0	0	0	0	3,578,650	3,830,360	788,005	0
Gulf Power Co. — Plant Lansing Smith, Southport, Bay	3,279,421	2,011	0	0	0	312,862	3,594,294	0	0
Tampa Electric Co. — Big Bend Station, Apollo Beach, Hillsborough	3,244,564	10,000	0	0	0	131,587	3,386,151	0	0
Gainesville Regional Utilities Deerhaven Generating Station, Gainesville, Alachua	2,072,068	11	0	0	0	5,300	2,077,379	194	0
Indian River Power Plant, Titusville, Brevard	1,979,350	17,755	0	0	0	0	1,997,105	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)[†]

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Solutia Inc., Gonzalez, Escambia	46,000	128,000	1,326,500	0	16,000,020	0	27,133,460	44,633,980	980
PCS Phosphate — White Springs, White Springs, Hamilton	0	0	0	0	2,400	0	6,760,010	6,762,410	0
CF Ind. Inc. Plant City Phosphate Complex, Plant City, Hillsborough	0	0	0	0	0	0	3,955,000	3,955,000	786
Champion Intl. Corp., Cantonment, Escambia	0	0	1,662,000	0	9,789,000	0	2,783,080	14,234,080	0
Farmland Hydro L.P., Bartow, Polk	0	0	0	0	0	0	2,240,000	2,240,000	0
Georgia-Pacific Corp., Palatka, Putnam	0	0	0	0	11,374,700	0	2,028,580	13,403,280	0
Buckeye Florida L.P., Perry, Taylor	0	0	1,730,400	0	14,631,461	0	1,983,880	18,345,741	0
Jefferson Smurfit Corp., Fernandina Beach, Nassau	0	0	41,661	0	9,466,159	0	1,574,158	11,081,978	0
U.S. Sugar Corp. Clewiston Mill, Clewiston, Hendry	0	0	0	0	0	0	1,516,800	1,516,800	0
Rayonier Inc. Fernandina Pulp Div., Fernandina Beach, Nassau	0	0	2,108,990	0	4,160,900	0	1,262,910	7,532,800	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases..

[†]Three IMC-Agrico plants in Mulberry, Florida submitted 1998 forms too late for inclusion in this report. The New Wales plant reported 4,150,000 pounds, the South Pierce plant reported 3,664,000 pounds and the Nichols Plant reported 3,661,000 pounds of quantity released on- and off-site. They rank third, fifth and sixth in the state.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Gulf Power Co. — Plant Crist, Pensacola, Escambia	0	0	0	0	0	0	9,758,750	9,758,750	0
Seminole Generating Station, Palatka, Putnam	0	0	0	0	6,949,306	0	9,599,001	16,548,307	0
Florida Power Corp., Crystal River Energy Complex, Crystal River, Citrus	0	0	0	0	1,300,000	0	8,793,300	10,093,300	0
Tampa Electric Co. — Gannon Station, Tampa, Hillsborough	0	49	0	0	2,960,000	0	8,131,498	11,091,547	2
St. Johns River Power Park Northside Generating Station, Jacksonville, Duval	0	0	0	0	4,379,600	0	7,399,500	11,779,100	15
Stanton Energy Complex, Orlando, Orange	0	0	0	0	5,700,000	0	3,828,380	9,528,380	0
Gulf Power Co. — Plant Lansing Smith, Southport, Bay	0	0	0	0	0	0	3,594,294	3,594,294	0
Tampa Electric Co. — Big Bend Station, Apollo Beach, Hillsborough	0	10	0	0	0	0	3,386,151	3,386,161	0
Gainesville Regional Utilities Deerhaven Generating Station, Gainesville, Alachua	0	0	0	0	84,000	0	2,077,600	2,161,600	0
Indian River Power Plant, Titusville, Brevard	0	0	0	0	0	0	1,980,100	1,980,100	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.